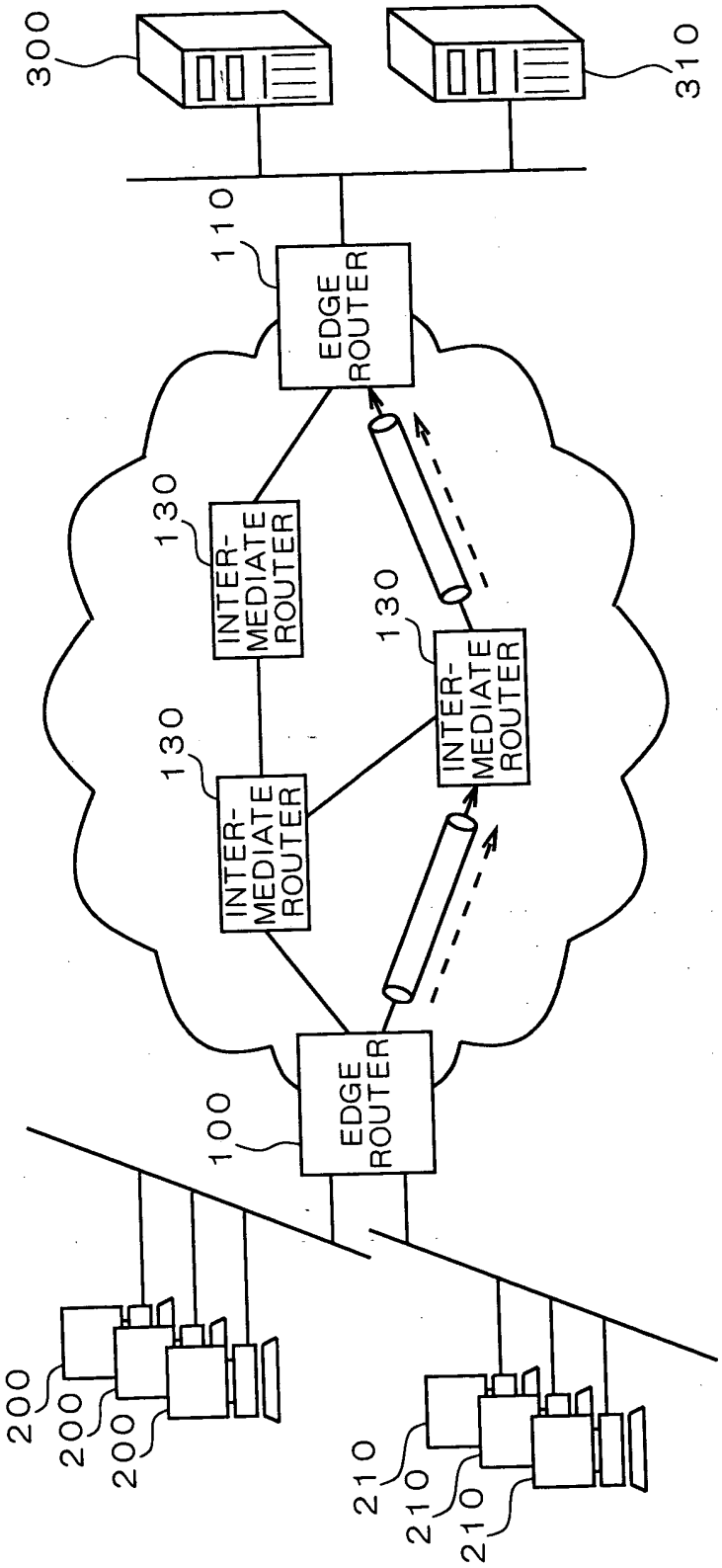
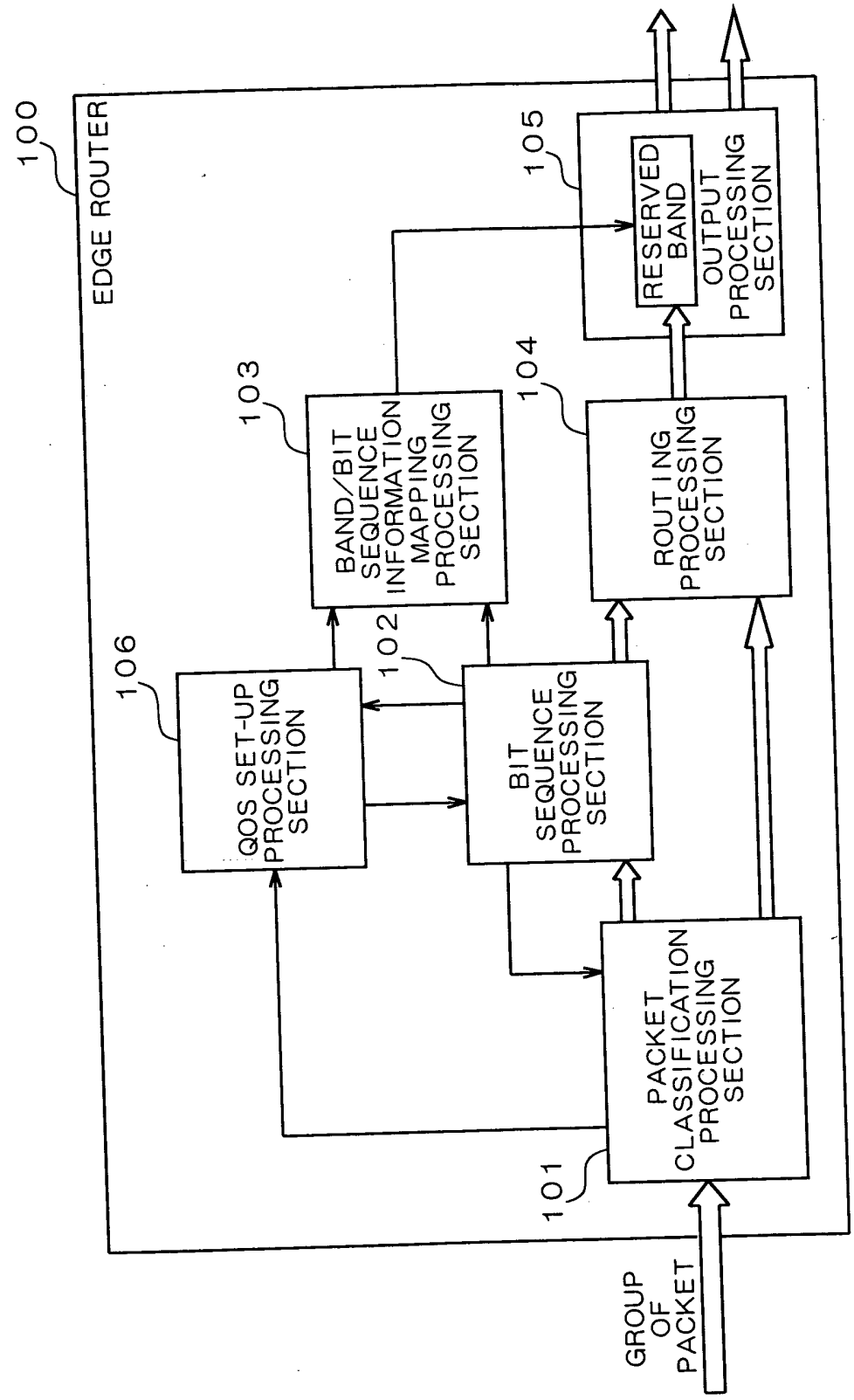

300
310
110
EDGE ROUTER
130
INTER-MEDIATE ROUTER
130
INTER-MEDIATE ROUTER
130
INTER-MEDIATE ROUTER
100
EDGE ROUTER
200
200
200
210
210
210

FIG. 1

FIG. 2


100
EDGE ROUTER
105
RESERVED BAND
OUTPUT PROCESSING SECTION
103
BAND/BIT SEQUENCE INFORMATION MAPPING PROCESSING SECTION
104
ROUTING PROCESSING SECTION
106
QOS SET-UP PROCESSING SECTION
102
BIT SEQUENCE PROCESSING SECTION
101
PACKET CLASSIFICATION PROCESSING SECTION
GROUP OF PACKET

0092TT"9TH2760

FIG. 3

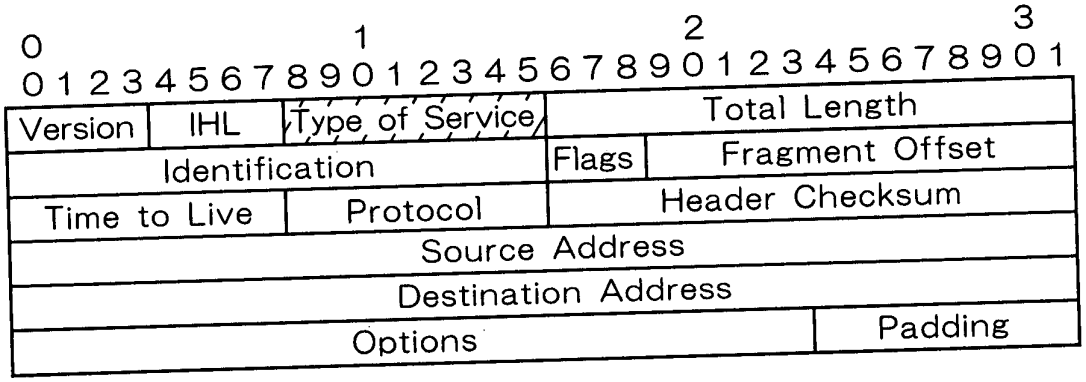


FIG. 4

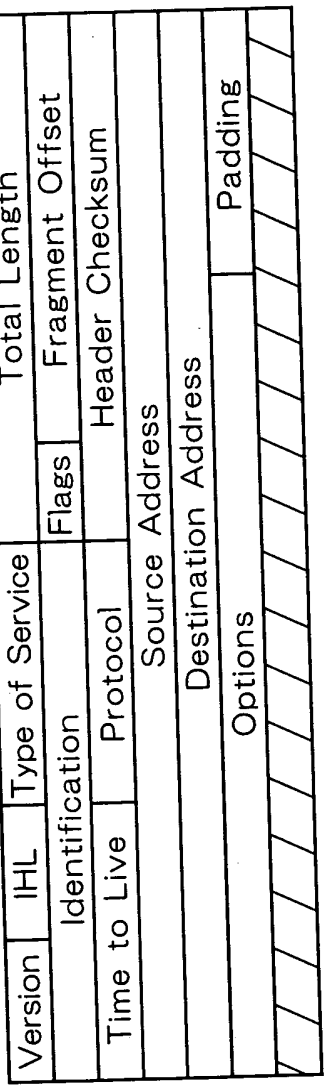

0 1 2 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
Version
IHL
Type of Service
Total Length
Identification
Flags
Fragment Offset
Time to Live
Protocol
Header Checksum
Source Address
Destination Address
Options
Padding

FIG. 5

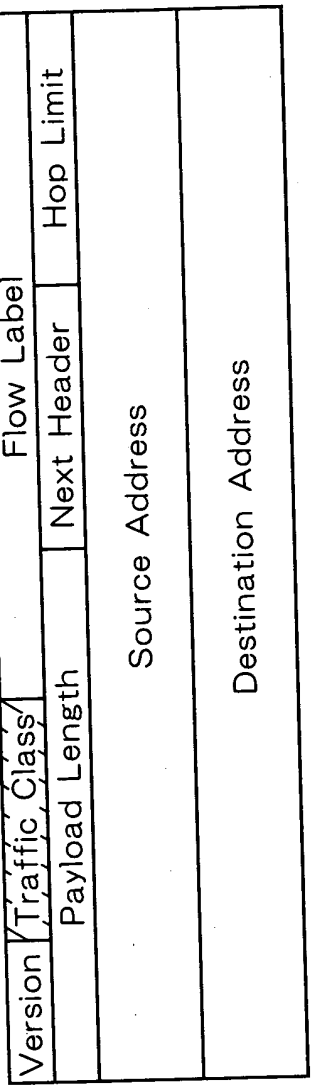

Version
Traffic Class
Flow Label
Payload Length
Next Header
Hop Limit
Source Address
Destination Address

FIG. 6

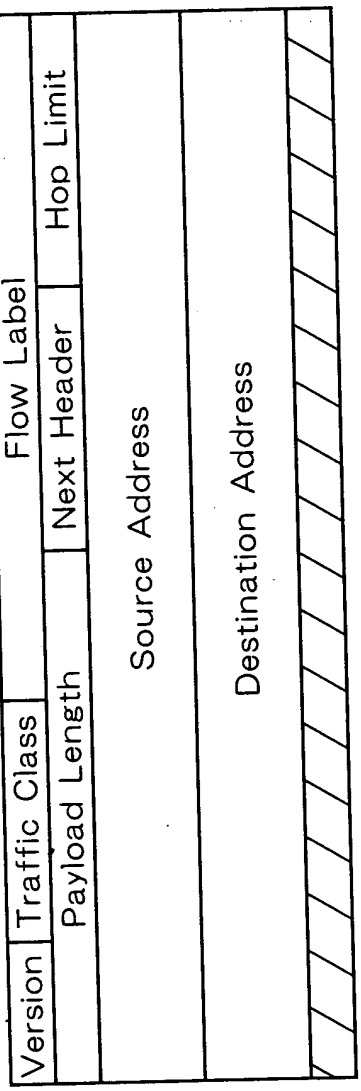

Version
Traffic Class
Flow Label
Payload Length
Next Header
Hop Limit
Source Address
Destination Address

FIG. 7

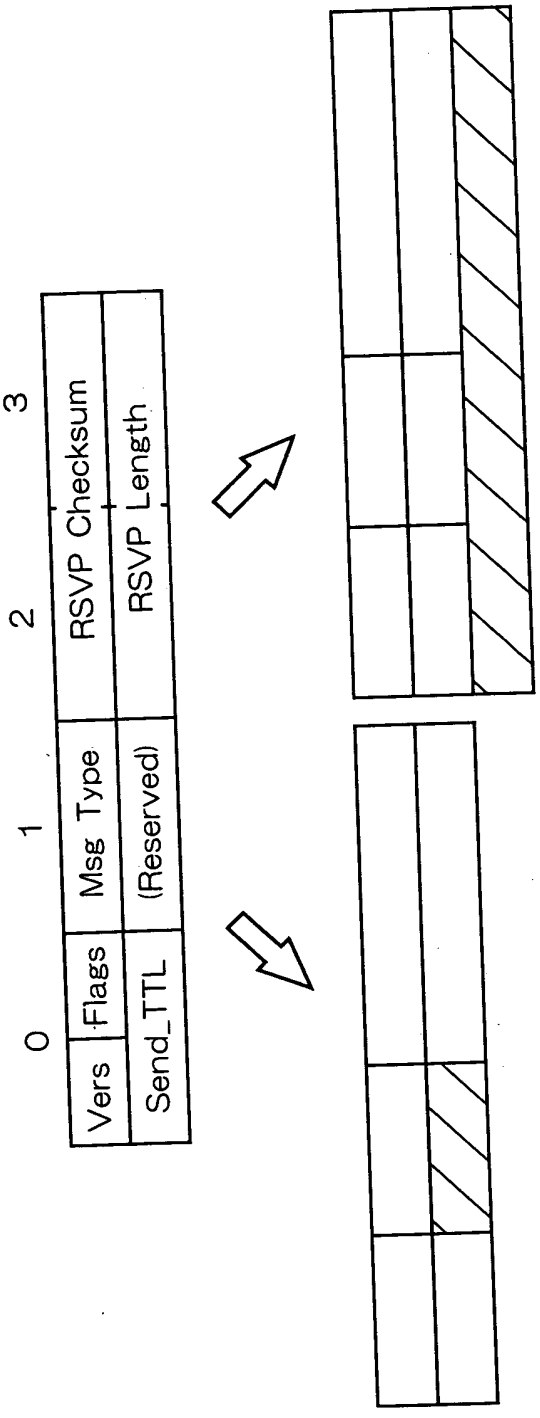
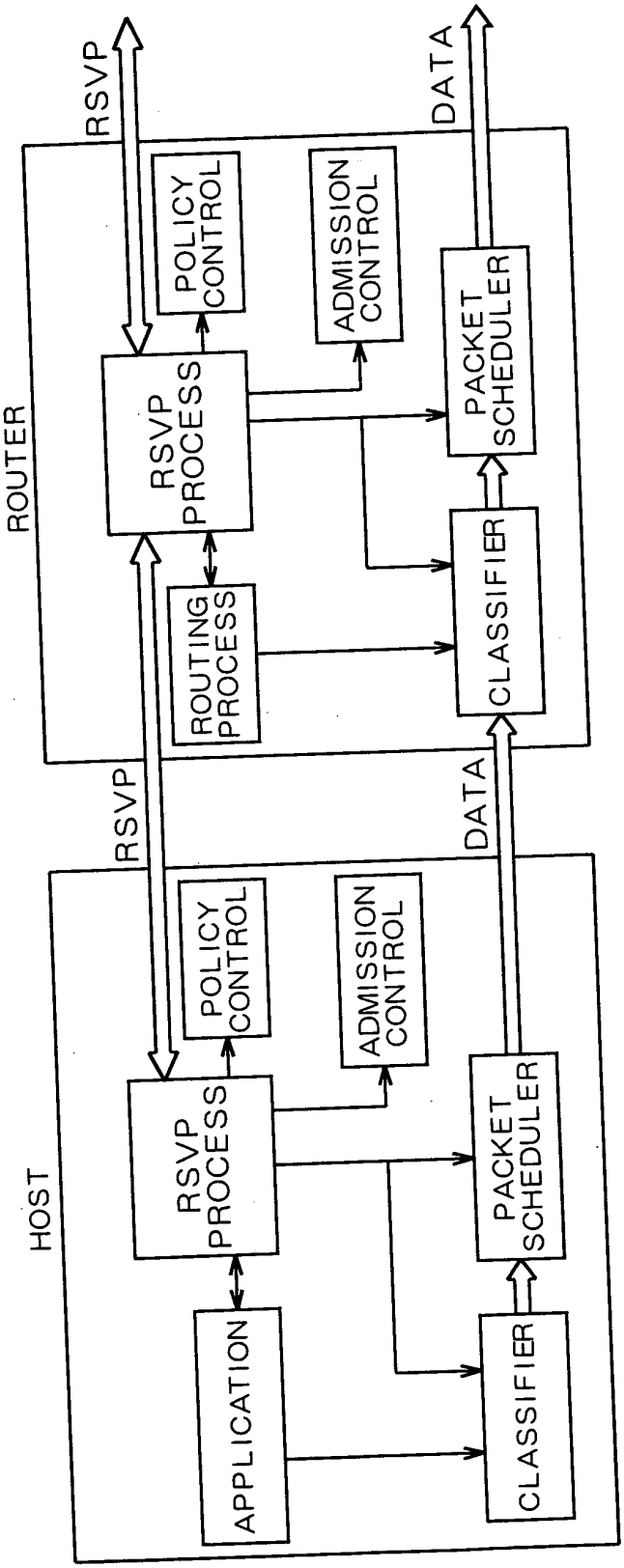
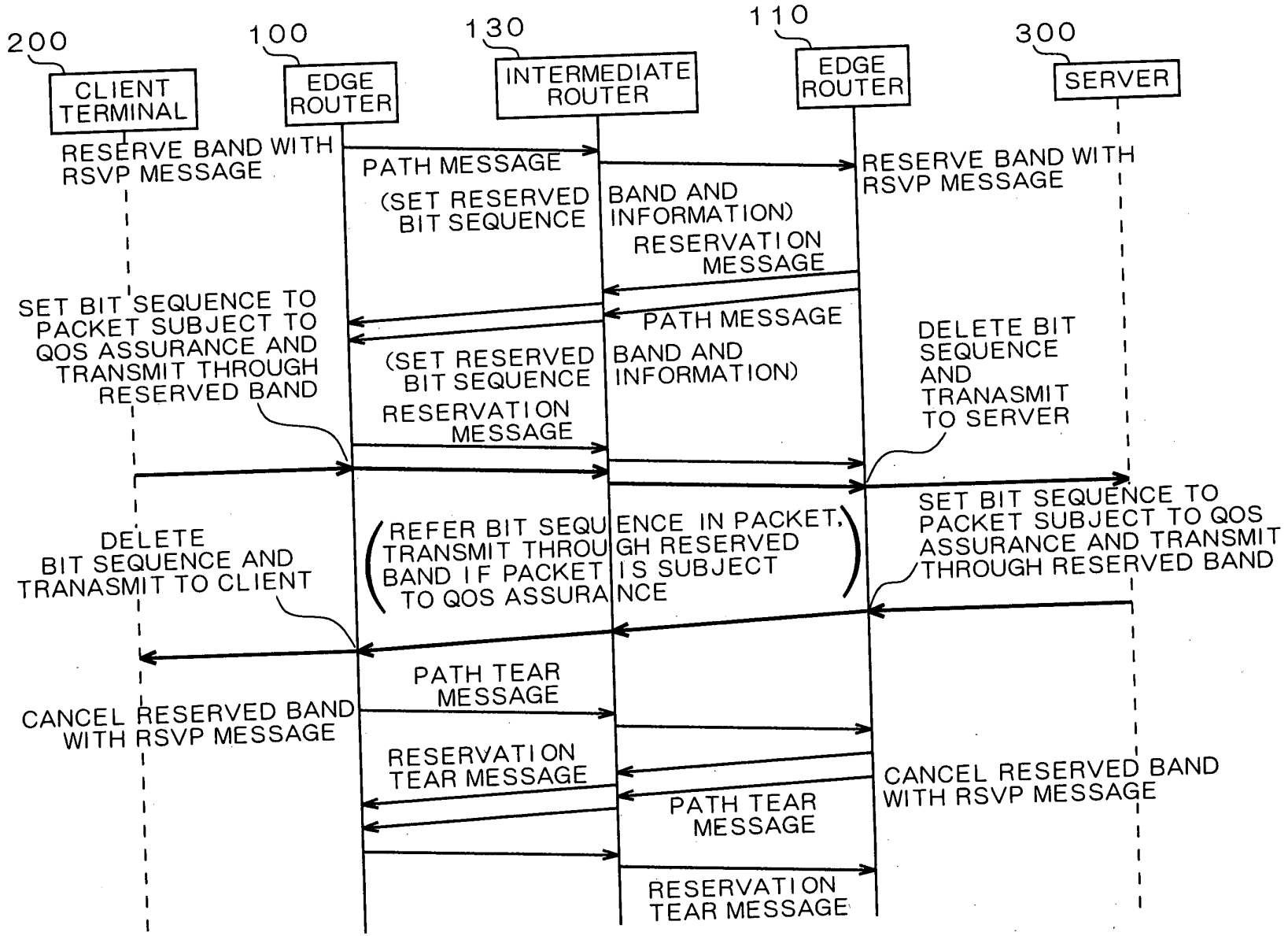

0
1
2
3
Vers
Flags
Msg Type
RSVP Checksum
Send_TTL
(Reserved)
RSVP Length

FIG. 8


RSVP
DATA
ROUTER
POLICY CONTROL
ADMISSION CONTROL
RSVP PROCESS
PACKET SCHEDULER
ROUTING PROCESS
CLASSIFIER
RSVP
DATA
HOST
POLICY CONTROL
ADMISSION CONTROL
RSVP PROCESS
PACKET SCHEDULER
APPLICATION
CLASSIFIER

JP 2002-374260

FIG. 9



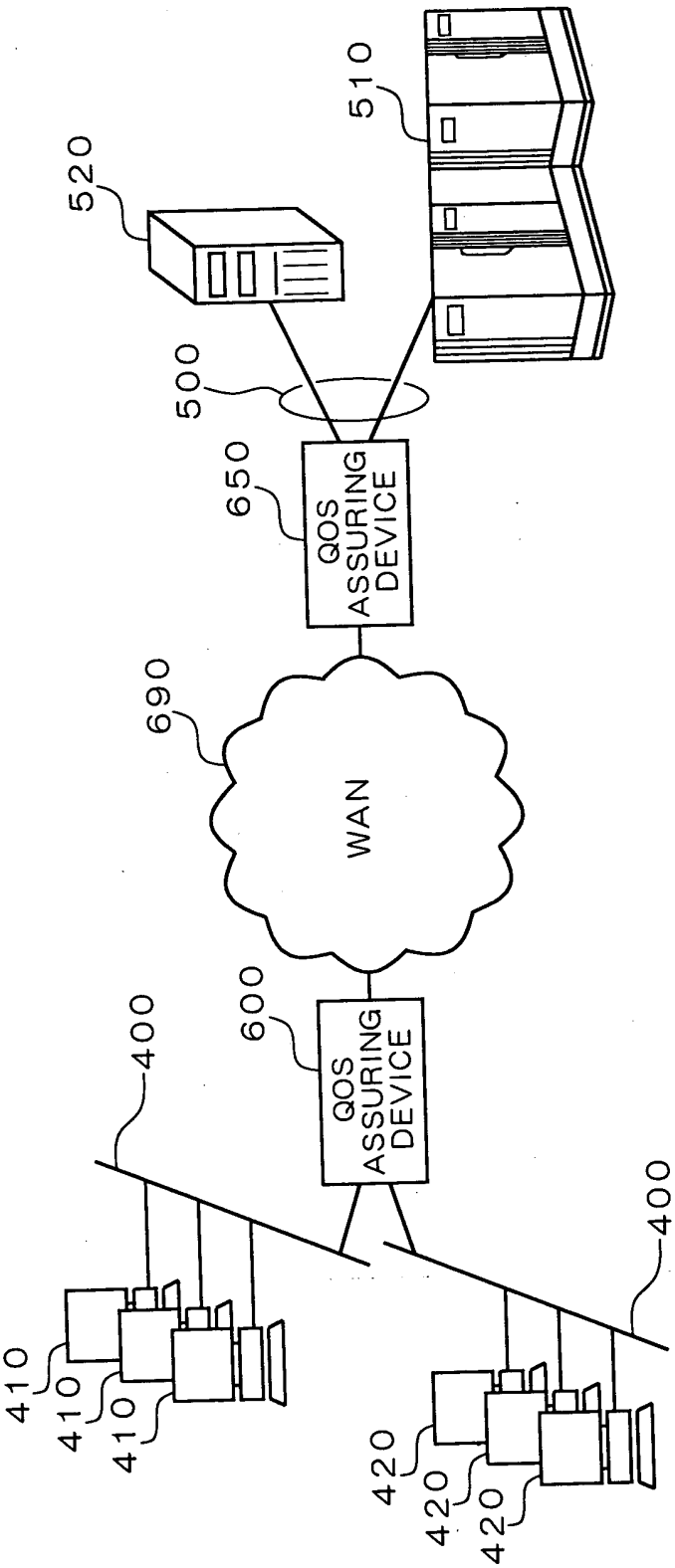
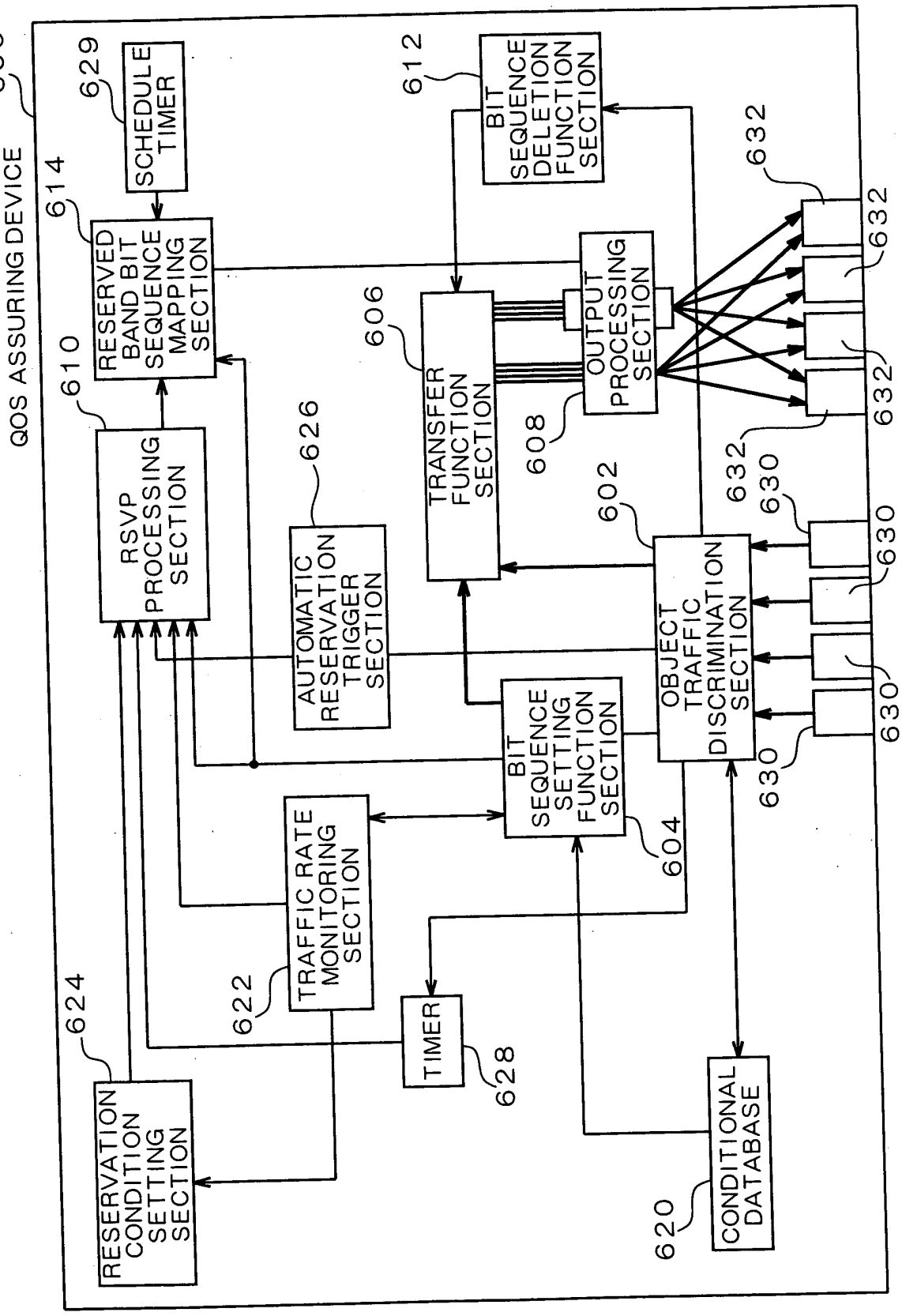

510
520
500
650
QOS ASSURING DEVICE
690
WAN
600
QOS ASSURING DEVICE
400
400
410
410
410
420
420
420

FIG. 10

FIG. 11


600
QOS ASSURING DEVICE
629
SCHEDULE TIMER
614
RESERVED BAND BIT SEQUENCE MAPPING SECTION
610
RSVP PROCESSING SECTION
626
AUTOMATIC RESERVATION TRIGGER SECTION
622
TRAFFIC RATE MONITORING SECTION
624
RESERVATION CONDITION SETTING SECTION
628
TIMER
620
CONDITIONAL DATABASE
604
BIT SEQUENCE SETTING FUNCTION SECTION
602
OBJECT TRAFFIC DISCRIMINATION SECTION
606
TRANSFER FUNCTION SECTION
608
OUTPUT PROCESSING SECTION
612
BIT SEQUENCE DELETION FUNCTION SECTION
630
632

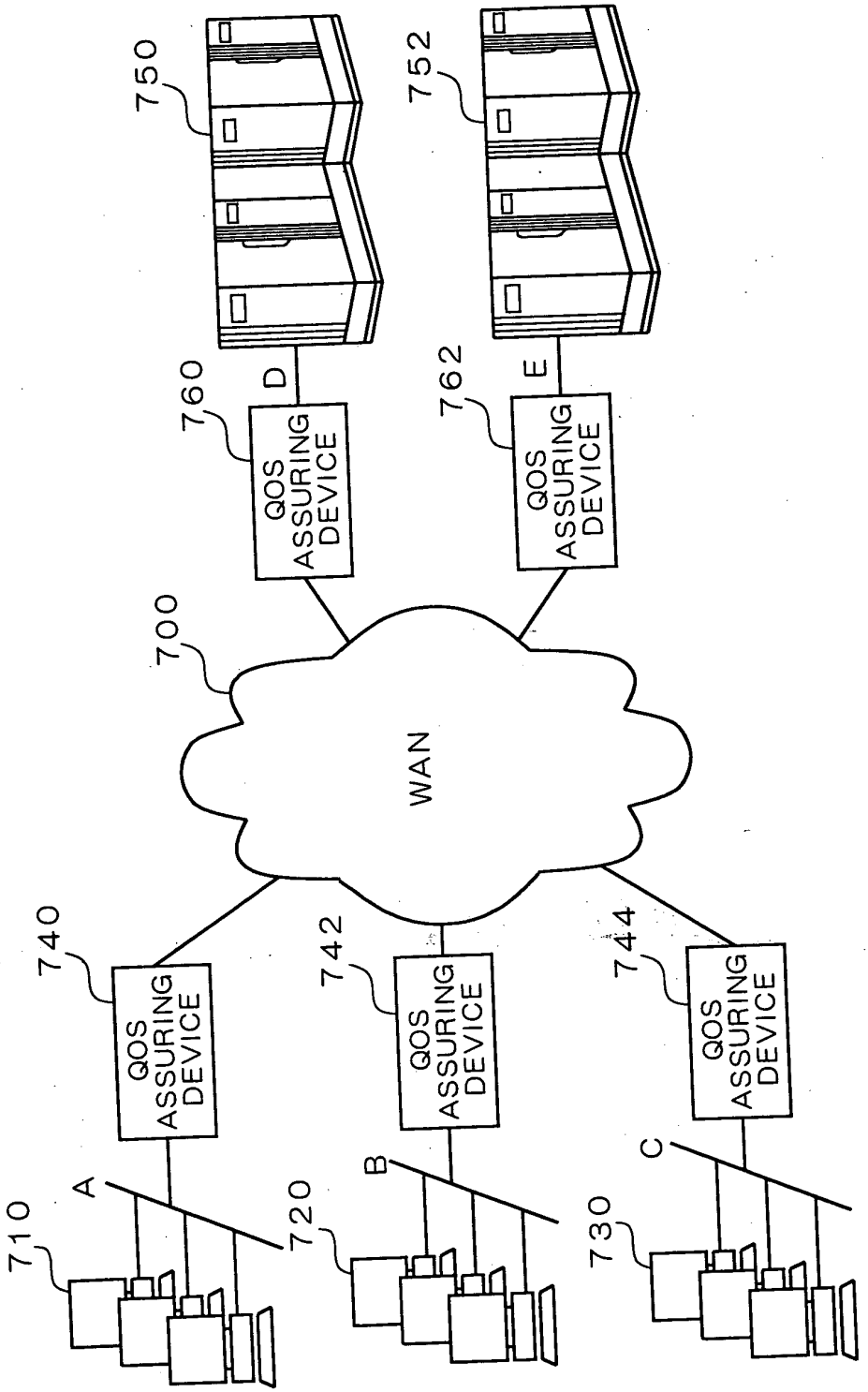

750
752
760
D
762
E
QOS ASSURING DEVICE
QOS ASSURING DEVICE
700
WAN
740
742
744
QOS ASSURING DEVICE
QOS ASSURING DEVICE
QOS ASSURING DEVICE
A
B
C
710
720
730

FIG. 12

FIG. 13

DESTINATION ADDRESS	CORRESPONDENT ADDRESS OF QOS ASSURING DEVICE
ADDRESS OF HOST COMPUTER 750	ADDRESS OF QOS ASSURING DEVICE 760
ADDRESS OF HOST COMPUTER 752	ADDRESS OF QOS ASSURING DEVICE 762

FIG. 14

DESTINATION ADDRESS	CORRESPONDENT ADDRESS OF QOS ASSURING DEVICE
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK A	ADDRESS OF QOS ASSURING DEVICE 740
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK B	ADDRESS OF QOS ASSURING DEVICE 742
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK C	ADDRESS OF QOS ASSURING DEVICE 744

0824T"0A4S3260

FIG. 15

DESTINATION ADDRESS	CORRESPONDENT ADDRESS OF QOS ASSURING DEVICE	RESERVED BAND /BIT SEQUENCE
ADDRESS OF HOST COMPUTER 750	ADDRESS OF QOS ASSURING DEVICE 760	300kbps/00000001
ADDRESS OF HOST COMPUTER 752	ADDRESS OF QOS ASSURING DEVICE 762	150kbps/00000010

JP 09-153960

FIG. 16

DESTINATION ADDRESS	CORRESPONDENT ADDRESS OF QOS ASSURING DEVICE	RESERVED BAND /BIT SEQUENCE
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK A	ADDRESS OF QOS ASSURING DEVICE 740	250kbps/00000001
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK B	ADDRESS OF QOS ASSURING DEVICE 742	150kbps/00000010
ADDRESS OF ANY CLIENT TERMINAL CONNECTED TO SUB-NETWORK C	ADDRESS OF QOS ASSURING DEVICE 744	150kbps/00000011

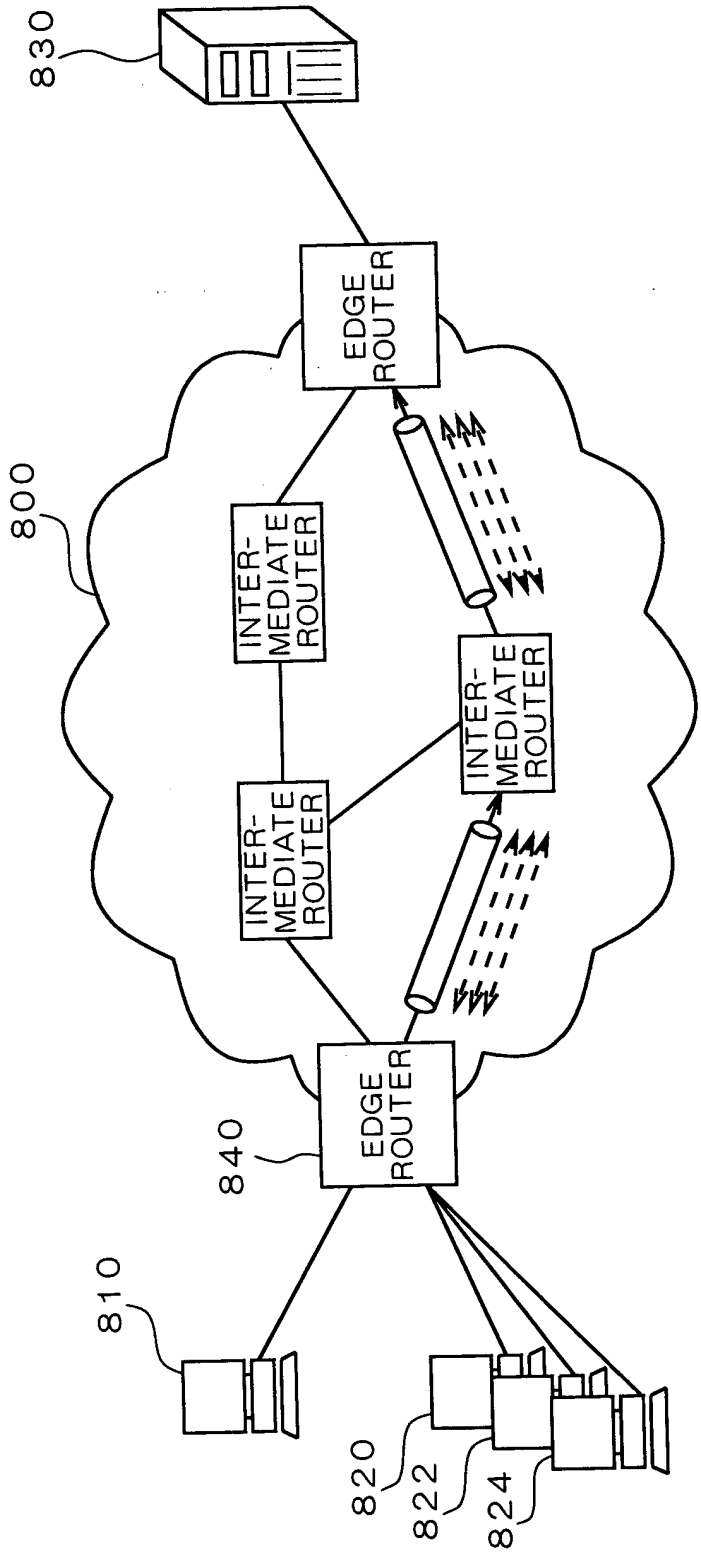
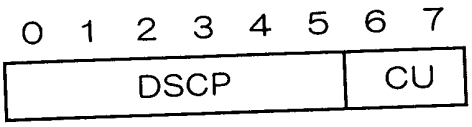

830
EDGE ROUTER
800
INTER-MEDIATE ROUTER
INTER-MEDIATE ROUTER
INTER-MEDIATE ROUTER
EDGE ROUTER
840
810
820
822
824

FIG. 17

FIG. 18



SUBSTITUTE SHEET (RULE 26)